

# Outdoor Optical Cable

GYXTW53



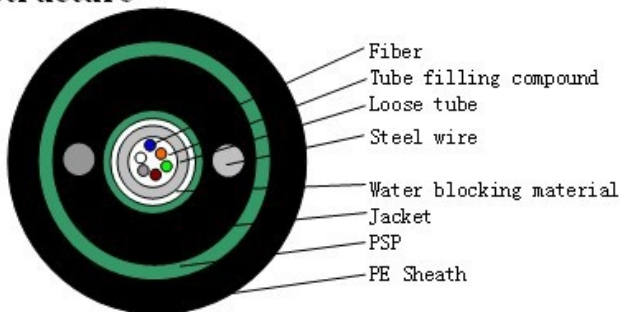
## Application:

- Duct/Aerial/Direct buried

## Description:

The fibers, 250um, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is completed with a polyethylene (PE) sheath. Then the cable core is covered with a thin PE inner sheath. After the PSP is longitudinally applied over the inner sheath. The cable is completed with a PE sheath.

## Cable Structure



## Technical Parameters

Cable Code	Fiber Count	Cable Size (mm)	Cable Weight (kg/km)	Tensile (N)		Crush (N/100mm)		Crush Resistance (mm)		Range of Temperature (°C)
				Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
TP-GYXTW53-02	2	12	115	1000	3000	1000	3000	20D	10D	-40~ + 70
TP-GYXTW53-04	4	12	117	1000	3000	1000	3000	20D	10D	
TP-GYXTW53-06	6	12	119	1000	3000	1000	3000	20D	10D	
TP-GYXTW53-08	8	12	121	1000	3000	1000	3000	20D	10D	
TP-GYXTW53-12	12	12	125	1000	3000	1000	3000	20D	10D	
TP-GYXTW53-24	24	12	130	1000	3000	1000	3000	20D	10D	
Fiber Type		G652D	50/125	62.5/125	G657A1	G657A2	OM3-150	OM3-300	OM4	
Jacket Material		PE		LSZH						
Characteristics:										
◆ Good mechanical and temperature performance										
◆ Crush resistance and flexibility										
◆ Loose tube filling compound										
◆ 100% cable core filling										